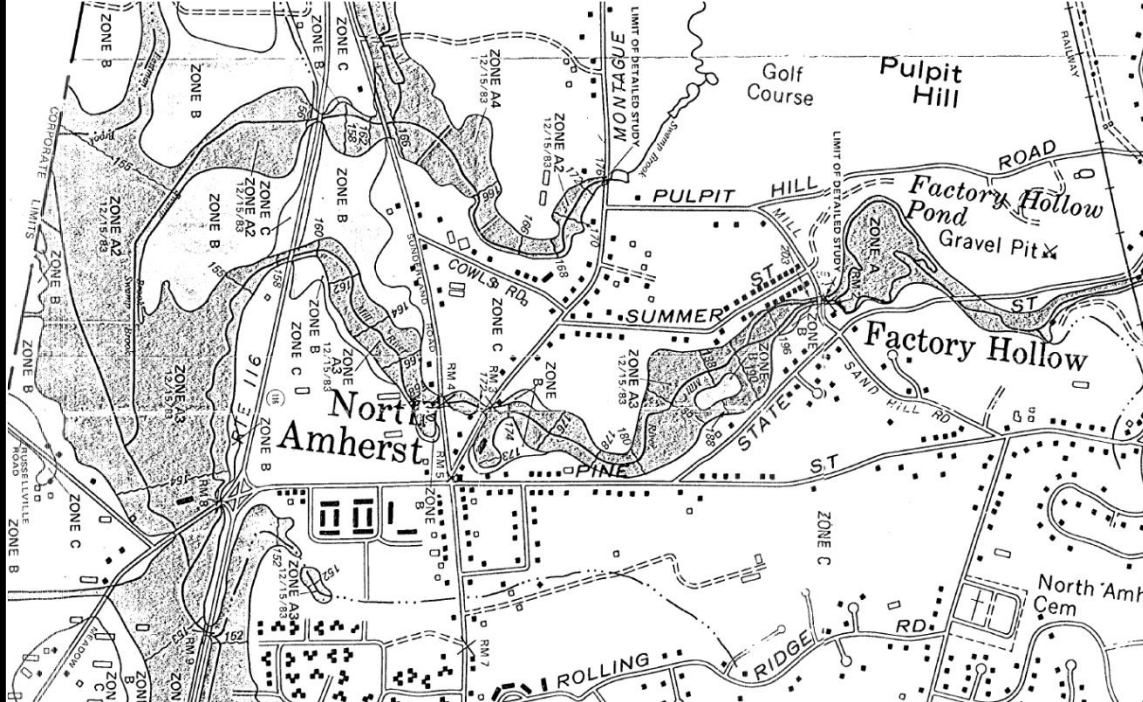
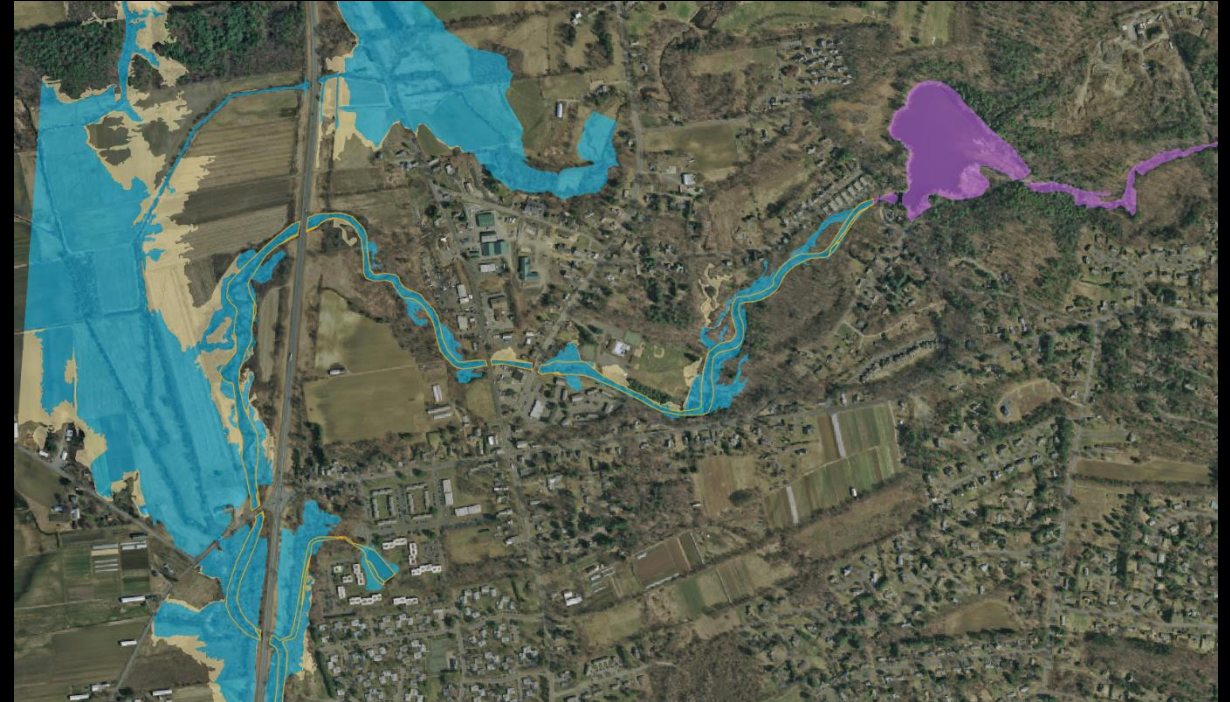


# Amherst Flood Insurance Rate Map (FIRM) Revision

North Amherst FIRM, Most Recent Revision: 1983



North Amherst Draft Flood Zones, 2016



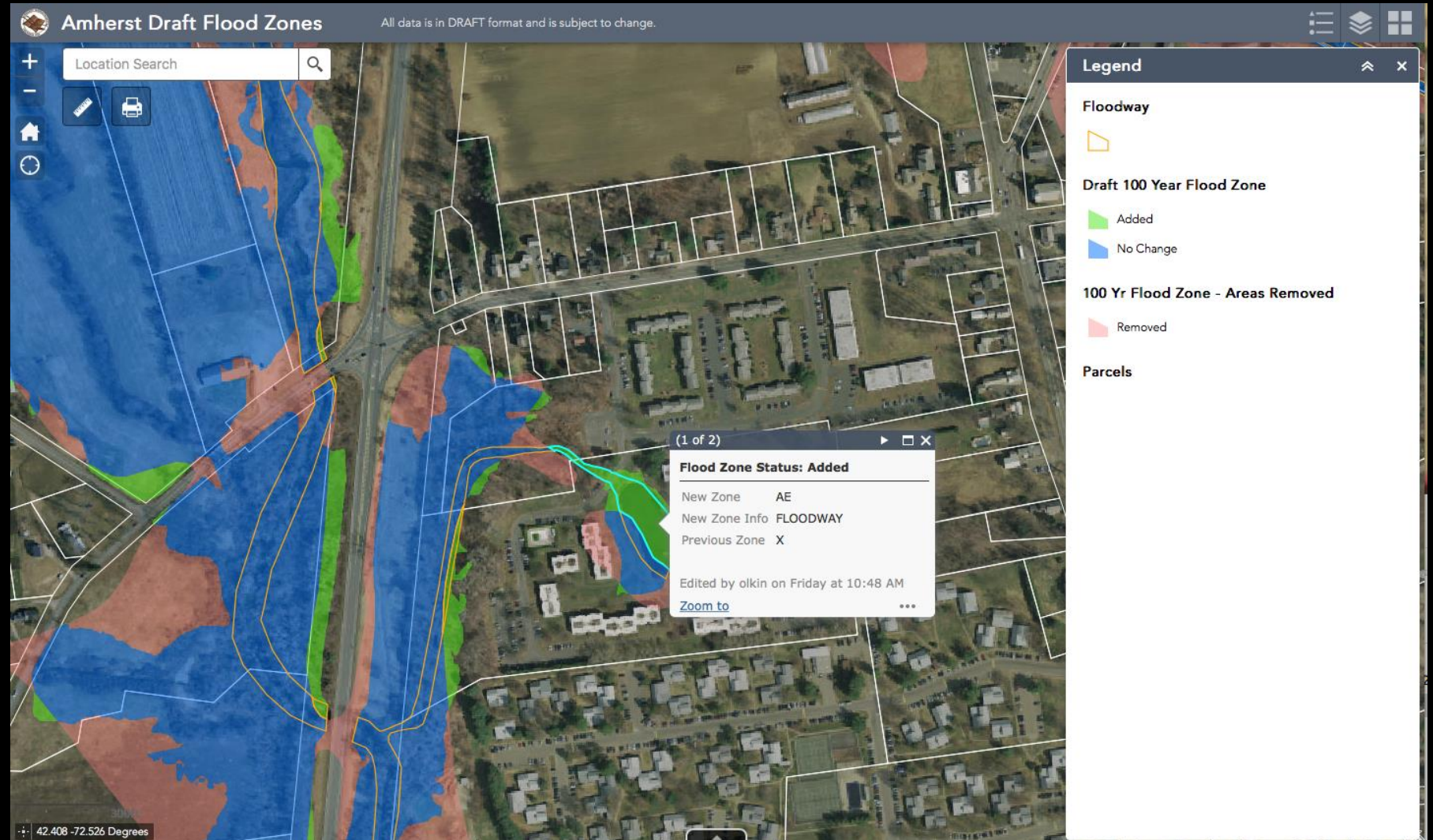
Michael Warner  
GIS Administrator  
Town of Amherst  
[warnerm@amherstma.gov](mailto:warnerm@amherstma.gov)  
[www.amherstma.gov/maps](http://www.amherstma.gov/maps)



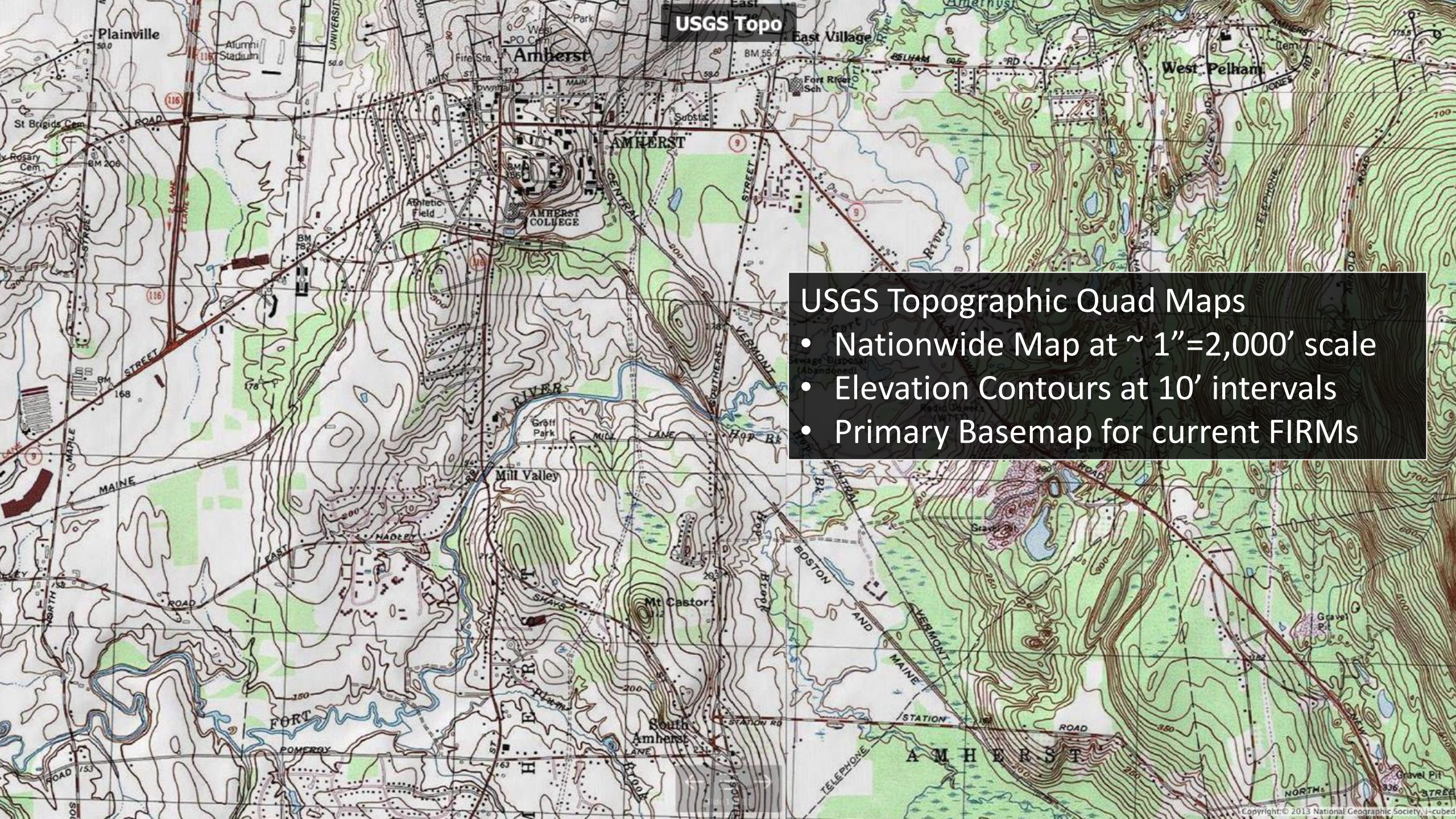


# Comparison Map: <http://bit.ly/AmherstFIRM>

- Compare existing 100-year flood zones to the new draft 100-year flood zones.
- Examine the draft flood zones, floodways & cross-sections in detail.
- View topographic and property information.





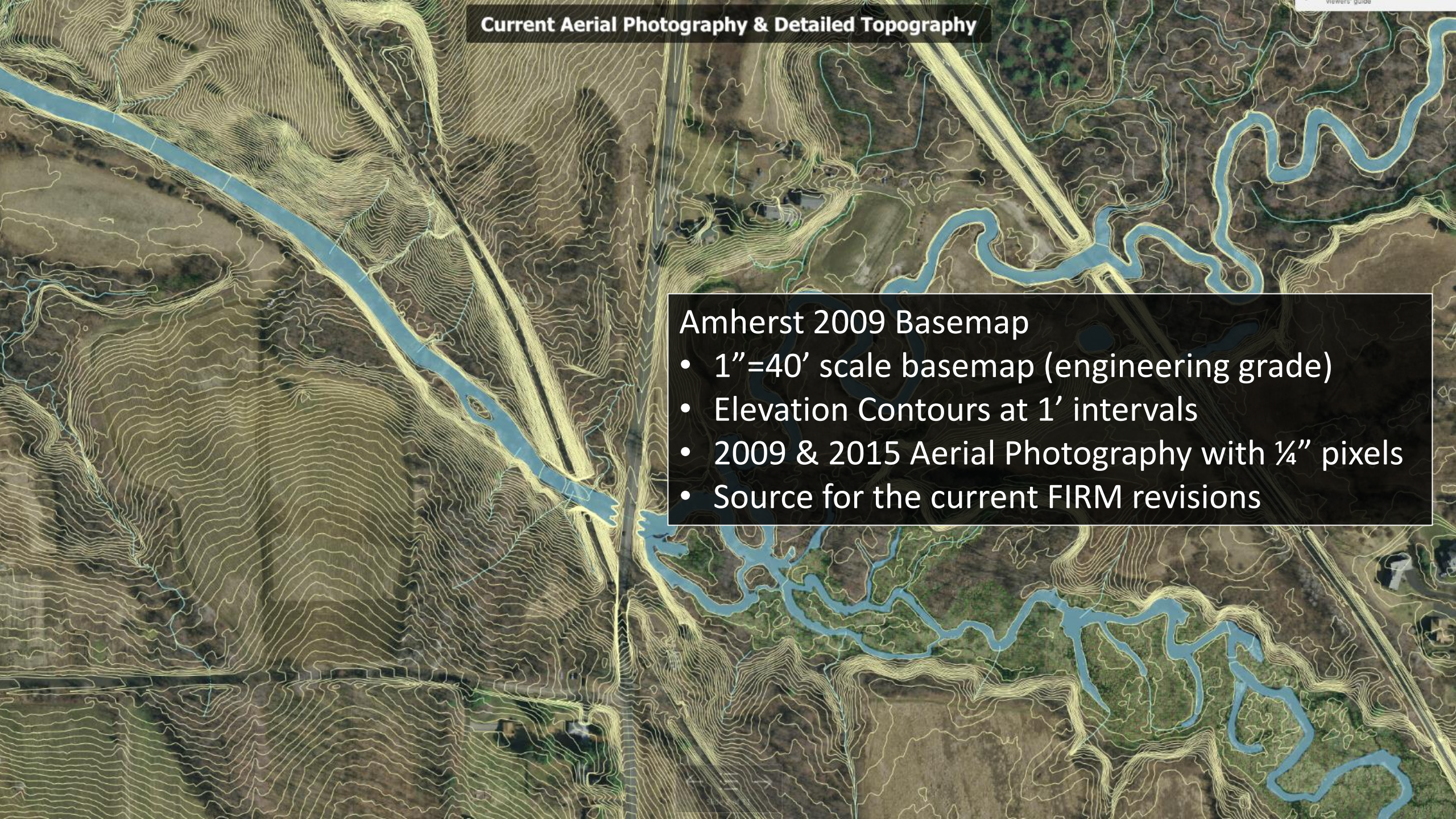


USGS Topo

## USGS Topographic Quad Maps

- Nationwide Map at  $\sim 1''=2,000'$  scale
- Elevation Contours at 10' intervals
- Primary Basemap for current FIRMs



An aerial photograph of a landscape with a river and topographic contours. The river flows from the top left towards the bottom center, then turns right. The terrain is hilly, with numerous yellow contour lines indicating elevation. A road or railway line runs diagonally across the middle. In the bottom right, there are some buildings and more developed land.

## Current Aerial Photography & Detailed Topography

### Amherst 2009 Basemap

- 1"=40' scale basemap (engineering grade)
- Elevation Contours at 1' intervals
- 2009 & 2015 Aerial Photography with  $\frac{1}{4}$ " pixels
- Source for the current FIRM revisions



# Positive Impacts of using a modern map

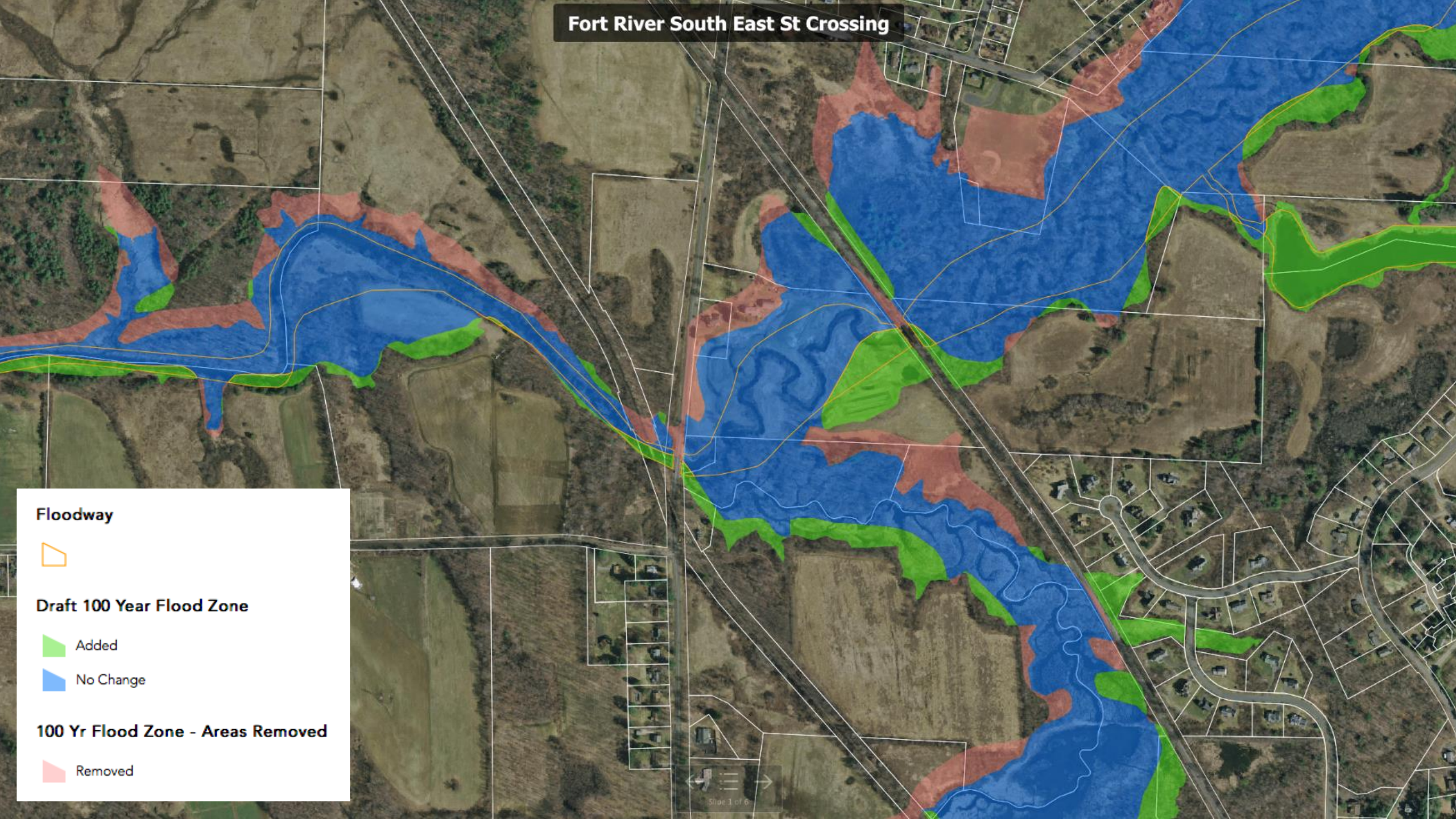
- Horizontal Accuracy is 50 times better ( $1''=2,000'$  vs  $1''=40'$ )
- Vertical Precision is 10 times more detailed (10' interval vs 1' interval)
- Much more detailed land cover and hydrography
- Availability of high-resolution aerial photography
- Conforms to FEMA's current standards for FIRM revisions



# Some Examples of Improvements



# Fort River South East St Crossing



## Floodway



## Draft 100 Year Flood Zone



Added



No Change

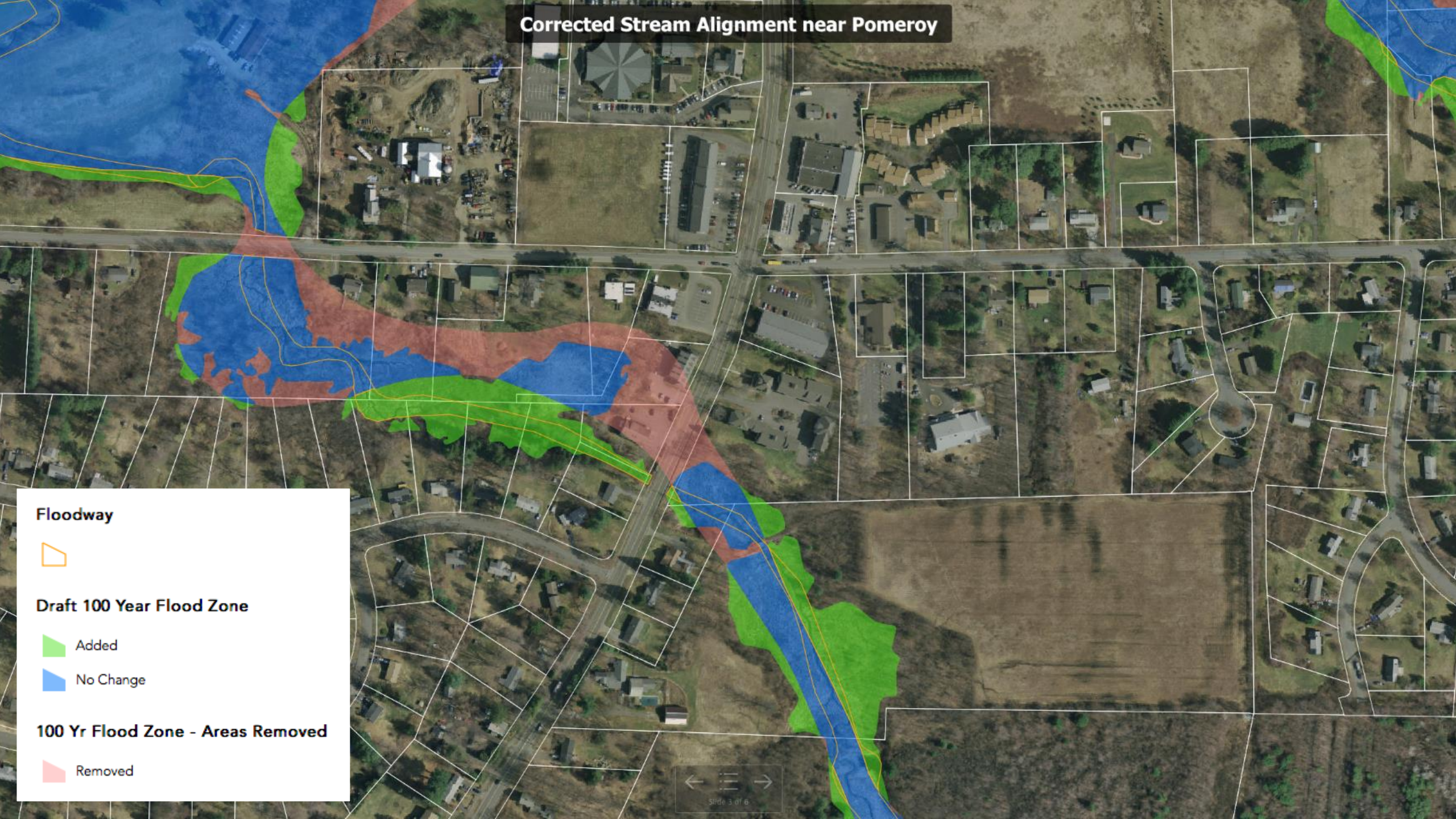
## 100 Yr Flood Zone - Areas Removed



Removed



# Corrected Stream Alignment near Pomeroy



## Floodway



## Draft 100 Year Flood Zone



Added



No Change

## 100 Yr Flood Zone - Areas Removed



Removed



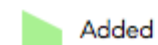
# Corrected Pond Alignment in North Amherst



## Floodway



## Draft 100 Year Flood Zone



Added



No Change

## 100 Yr Flood Zone - Areas Removed



Removed

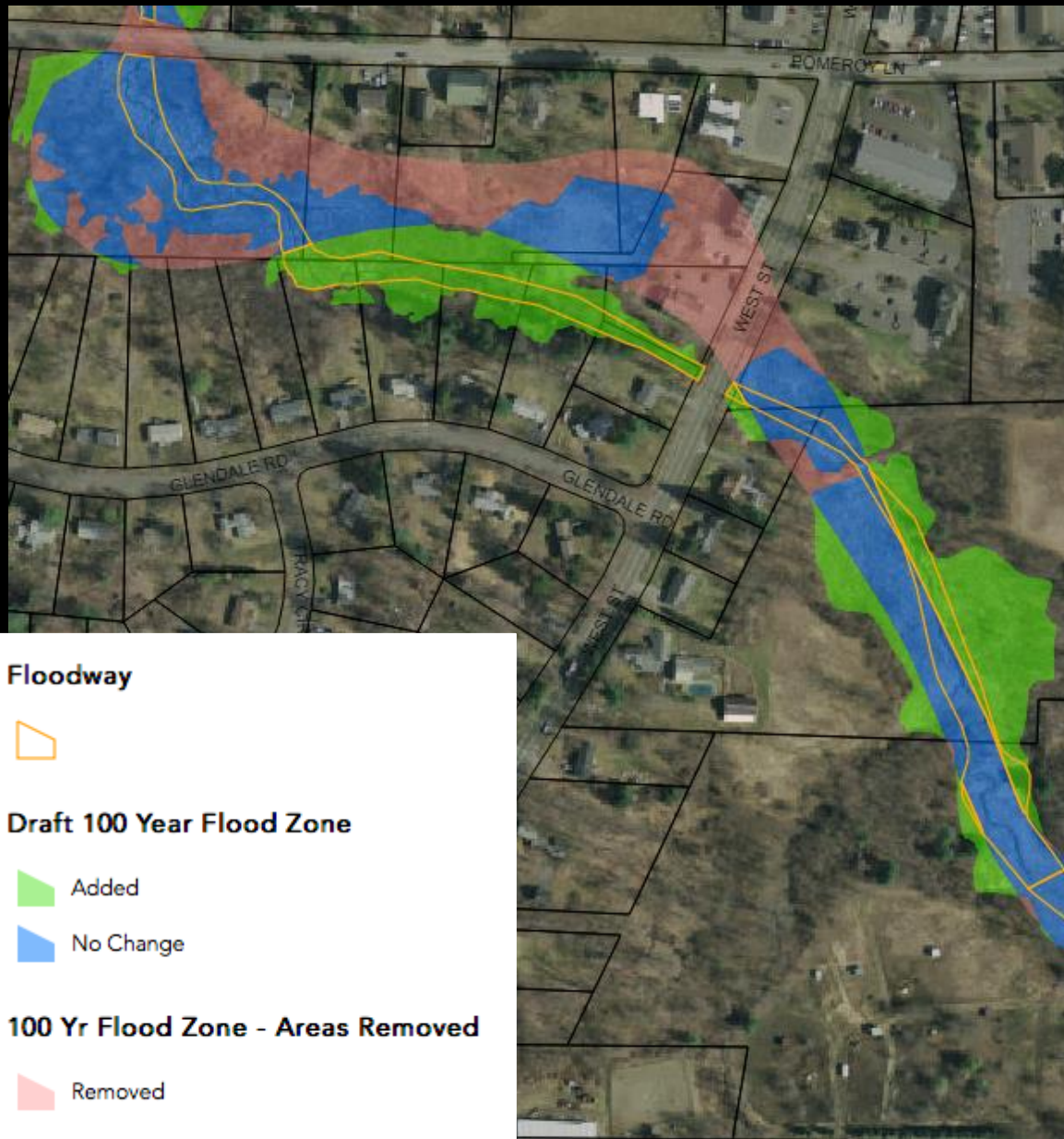


# Comparison: Draft vs Preliminary Flood Zones



## Comparison: Stream Alignment near Pomeroy

### 2016 Draft Flood Zones



### 2017 Preliminary Flood Zones





## Comparison: Pond Alignment in North Amherst

### 2016 Draft Flood Zones



### 2017 Preliminary Flood Zones

